WHAT IS CLAIMED IS:

- 1. A method of providing a therapeutic protein to a customer, said method comprising cloning a nucleic acid encoding said protein into a pCWin1 expression vector as set forth in SEQ ID NO:1, expressing said protein therefrom, and providing said protein to said customer.
- 2. A method of providing a therapeutic protein to a customer, said method comprising cloning a nucleic acid encoding said protein into a pCWin2 expression vector as set forth in SEQ ID NO:2, expressing said protein therefrom, and providing said protein to said customer.
- 3. A method of providing a therapeutic protein to a customer, said method comprising cloning a nucleic acid encoding said protein into a nucleic acid vector selected from the group consisting of:
 - a) a pCWin2/MBP expression vector as set forth in SEQ ID NO:3;
- b) a pCWin2-MBP-SBD (pMS $_{39}$) expression vector as set forth in SEQ ID NO:10; and
- c) a pCWin2-MBP-MCS-SBD (pMXS₃₉) expression vector as set forth in SEQ ID NO:11;

expressing said protein therefrom, and providing said protein to said customer.

- 4. The method of claim 3, wherein said nucleic acid vector comprises a protease cleavage site coding sequence at a location selected from the group consisting of:
- a) between the MBP coding sequence and the therapeutic protein coding sequence; and
- b) immediately prior to the start of the C-terminus of the MBP coding sequence.
- 5. The method of claim 2 or 3, wherein said protein is selected from the group consisting of erythropoietin, human growth hormone, granulocyte colony stimulating factor, interferons alpha, -beta, and -gamma, Factor IX, follicle stimulating hormone, interleukin-2, erythropoietin, anti-TNF-alpha, and a lysosomal hydrolase.

- 6. The method of claim 5, wherein said lysosomal hydrolase is selected from the group consisting of beta-glucosidase, alpha-galactosidase-A, beta-hexosaminidase, beta-galactosidase, alpha-galactosidase, alpha-mannosidase, beta-mannosidase, alpha-L-fucosidase, beta-glucuronidase, alpha-glucosidase, alpha-N-acetylgalactosaminidase, and acid phosphatase.
- 7. A method of providing a protein to a customer, said method comprising cloning a nucleic acid encoding said protein into a pCWin1 expression vector as set forth in SEQ ID NO:1, expressing said protein therefrom, and providing said protein to said customer.
- 8. A method of providing a protein to a customer, said method comprising cloning a nucleic acid encoding said protein into a pCWin2 expression vector as set forth in SEQ ID NO:2, expressing said protein therefrom, and providing said protein to said customer.
- 9. A method of providing a protein to a customer, said method comprising cloning a nucleic acid encoding said protein into a nucleic acid vector selected from the group consisting of:
 - a) a pCWin2/MBP expression vector as set forth in SEQ ID NO:3;
- b) a pCWin2-MBP-SBD (pMS $_{39}$) expression vector as set forth in SEQ ID NO:10; and
- c) a pCWin2-MBP-MCS-SBD (pMXS₃₉) expression vector as set forth in SEQ ID NO:11;

expressing said protein therefrom, and providing said protein to said customer.

- 10. The method of claim 7, 8 or 9, wherein said protein is selected from the group consisting of a glycosyltransferase and a sugar nucleotide-generating enzyme.
- 11. A method of providing a protein to a customer, said method comprising providing a pCWin1 vector as set forth in SEQ ID NO:1 to a protein production facility, wherein a nucleic acid encoding said protein is cloned into said expression vector and said protein is expressed therefrom in said protein production facility, and providing said protein to said customer.

- 12. A method of providing a protein to a customer, said method comprising providing a pCWin2 vector as set forth in SEQ ID NO:2 to a protein production facility, wherein a nucleic acid encoding said protein is cloned into said expression vector and said protein is expressed therefrom in said protein production facility, and providing said protein to said customer.
- 13. A method of providing a protein to a customer, said method comprising providing a nucleic acid vector selected from the group consisting of:
 - a) a pCWin2/MBP expression vector as set forth in SEQ ID NO:3;
- b) a pCWin2-MBP-SBD (pMS $_{39}$) expression vector as set forth in SEQ ID NO:10; and
- c) a pCWin2-MBP-MCS-SBD (pMXS₃₉) expression vector as set forth in SEQ ID NO:11;

to a protein production facility, wherein a nucleic acid encoding said protein is cloned into said expression vector and said protein is expressed therefrom in said protein production facility, and providing said protein to said customer.

- 14. The method of claim 2, 3, 4, 7, 8 or 9, wherein said method further comprises prior to providing said protein to said customer, at least one glycosyl moiety is added to said protein.
- 15. The method of claim 14, wherein said glycosyl moiety is added to said protein in vitro.
- 16. A method of providing a protein to a customer, said method comprising cloning a nucleic acid encoding said protein into nucleic acid vector selected from the group consisting of:
 - a) a pCWin1 vector as set forth in SEQ ID NO:1;
 - b) a pCWin2 vector as set forth in SEQ ID NO:2;
 - c) a pCWin2/MBP vector as set forth in SEQ ID NO:3;
- d) a pCWin2-MBP-SBD (pMS₃₉) vector as set forth in SEQ ID NO:10; and

e) a pCWin2-MBP-MCS-SBD (pMXS₃₉) vector as set forth in SEQ ID NO:11;

further wherein said method comprises inserting said vector into a bacterial host cell, expressing said protein in said host cell, and providing said protein to said customer.

- 17. The method of claim 16, wherein said method further comprises prior to providing said protein to said customer, at least one glycosyl moiety is added to said protein.
- 18. The method of claim 16, wherein said glycosyl moiety is added to said protein in vitro.
- 19. The method of claim 16, wherein said expression vector further comprises an affinity tag coding sequence.
- 20. An isolated pcWIN1 expression vector comprising the sequence set forth in SEQ ID NO:1.
- 21. An isolated pcWIN1 expression vector consisting of the sequence set forth in SEQ ID NO:1.
- 22. An isolated pcWIN2 expression vector comprising the sequence set forth in SEQ ID NO:2.
- 23. An isolated pcWIN2 expression vector consisting of the sequence set forth in SEQ ID NO:2.
- 24. An isolated pcWIN2/MBP expression vector comprising the sequence set forth in SEQ ID NO:3.
- 25. An isolated pcWIN2/MBP expression vector consisting of the sequence set forth in SEQ ID NO:3.

- 26. The pcWIN2/MBP expression vector of claim 24, wherein the pCWIN2/MBP vector comprises a protease cleavage site coding sequence adjacent to the MBP coding sequence.
- 27. An isolated pCWin2-MBP-SBD (pMS₃₉) vector comprising the sequence set forth in SEQ ID NO:10.
- 28. An isolated pCWin2-MBP-SBD (pMS₃₉) vector consisting of the sequence set forth in SEQ ID NO:10.
- 29. An isolated pCWin2-MBP-MCS-SBD (pMXS₃₉) vector comprising the sequence set forth in SEQ ID NO:11.
- 30. An isolated pCWin2-MBP-MCS-SBD (pMXS₃₉) vector consisting of the sequence set forth in SEQ ID NO:11.
- 31. The pCWin2-MBP-SBD (pMS₃₉) expression vector of claim 27, wherein the pCWin2-MBP-SBD (pMS₃₉) vector comprises a protease cleavage site coding sequence immediately prior to the start of the C-terminus of the MBP coding sequence.
- 32. A method of expressing a protein, said method comprising cloning a nucleic acid encoding said protein into a pCWin1 expression vector as set forth in SEQ ID NO:1 and expressing said protein therefrom.
- 33. A method of expressing a protein, said method comprising cloning a nucleic acid encoding said protein into a pCWin2 expression vector as set forth in SEQ ID NO:2 and expressing said protein therefrom.
- 34. A method of expressing a protein, said method comprising cloning a nucleic acid encoding said protein into a nucleic acid vector selected from the group consisting of:
 - a) a pCWin2/MBP expression vector as set forth in SEQ ID NO:3;
- b) a pCWin2-MBP-SBD (pMS $_{39}$) expression vector as set forth in SEQ ID NO:10; and

c) a pCWin2-MBP-MCS-SBD (pMXS₃₉) expression vector as set forth in SEQ ID NO:11;

and expressing said protein therefrom.

35. The method of any one of claims 32-34, wherein said protein is expressed in a prokaryotic cell.